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DISA Strategy For Defensive Cyber Operations

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Overview



- **Cyber Environment**
- **Cybersecurity & DCO**
- **What We Do**
- **Strategic Partners**
- **Statistics**
- **Way Ahead**
- **Panel Discussion/Questions**



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INTERNET USERS

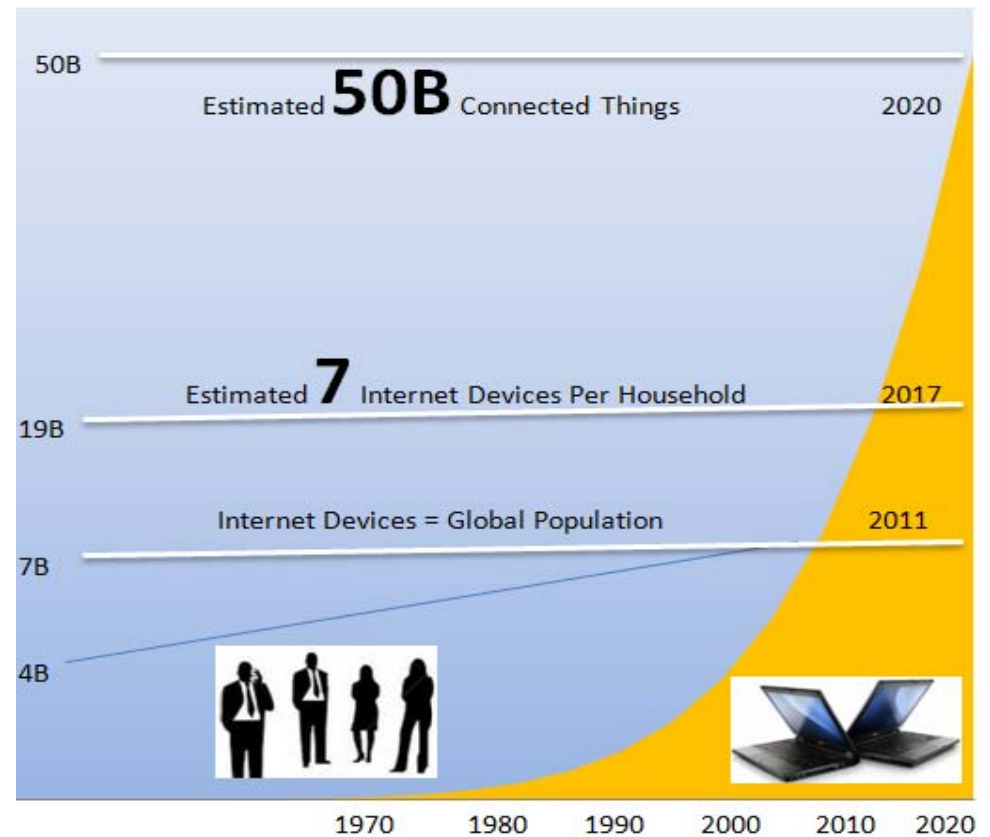
December 1995:
16 MILLION

March 2001:
458 MILLION

Today:
Over 3 BILLION

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Internet Users



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Internet Minute



138,889 hrs Video Streamed
100 hrs Video Uploaded

2+ Million Search Queries

100,000 Friends Requested
150,000 Messages Sent

546,000 New Tweets
94 New Users

3000 Photos Uploads
20 Million Photo Views

120 New Members

\$83,000 in Sales

47,000 Apps Downloaded



What Happens in an Internet Minute?



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CYBERSECURITY VS DCO



The definition of cybersecurity from DoDI 8500.01, **Cybersecurity**, 14 March 2014, is:

“Prevention of damage to, protection of, and restoration of computers, electronic communications systems, electronic communications services, wire communication, and electronic communication, including information contained therein, to ensure its availability, integrity, authentication, confidentiality, and nonrepudiation.



DCO According to JP 3-12 is:

“Operations intended to defend DOD or other friendly cyberspace. Specifically, they are passive and active cyberspace defense operations to preserve the ability to utilize friendly cyberspace capabilities and protect data, networks, net-centric capabilities, and other designated systems. Most DCO occurs within the defended network.

NOTE: DISA DCO focuses on internal defense measures only.

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DISA

Always on: 24/7 – 365

• Global Presence In Support of **17,000 Circuits**

1 B Malicious Events Blocked/Month



73 Field Offices in 9 Countries, Connecting 3,800 Sites (100+ Deployed)

○ Network Assurance Analysts/Teams

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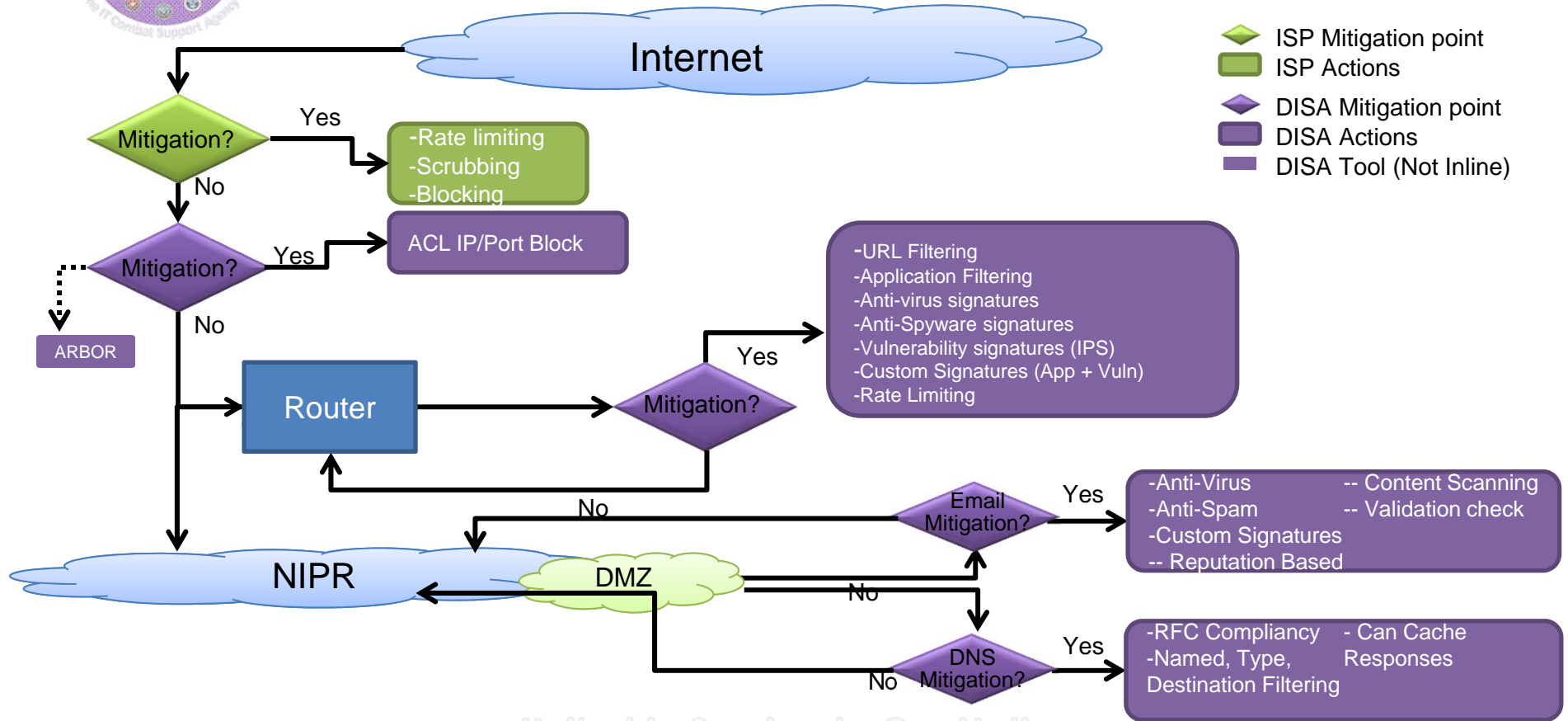
DNC CENTCOM Bahrain

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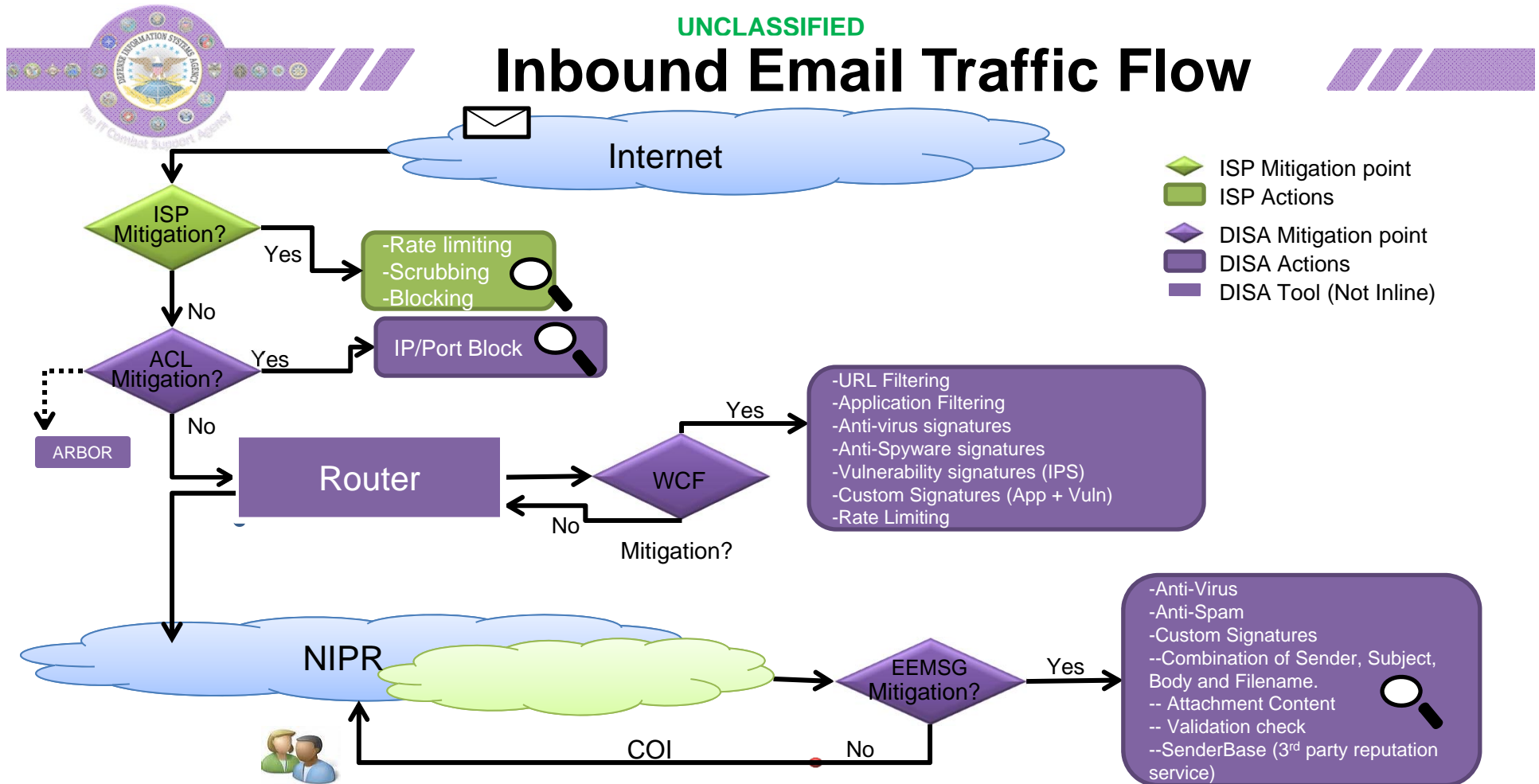
DCO Process Chart



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Inbound Email Traffic Flow

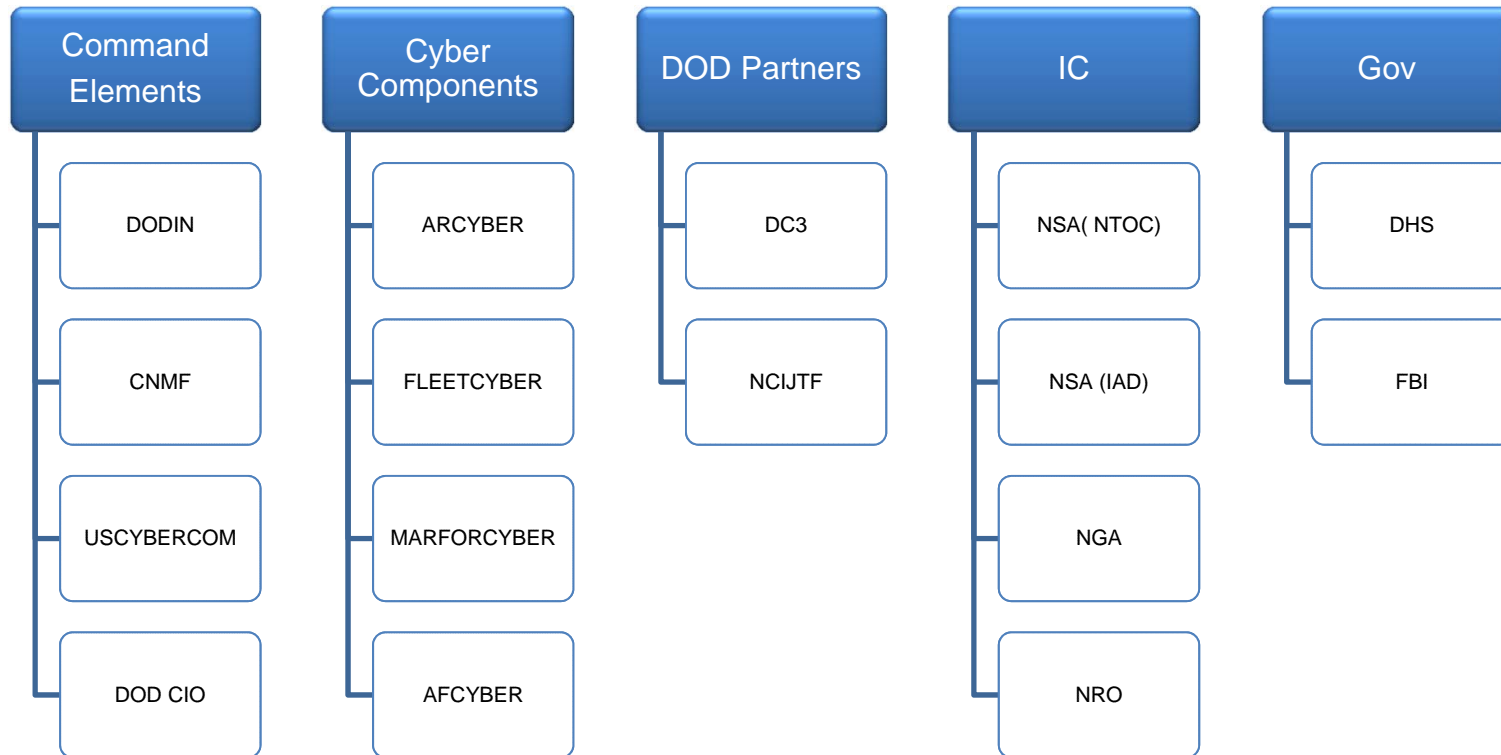


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Strategic Partners



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2014 Statistics



- 16.9B web and email blocks
- Over 9700 CVEs monitored
- Over 5000 distinct indicators



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Way Ahead



- Develop & Manage the DCO Strategy for DISA
- Continue to develop our DCO workforce
- Leverage Partnerships
- Drive and integrate new technologies into DISA operations
- Prepare for the next cyber threat



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